

INTERNATIONAL SEARCH REPORT

ational Application No
/JP2004/019292

A. CLASSIFICATION OF SUBJECT MATTER		
H01M8/10 H01M8/02	H01M4/86	H01M4/88 H01M4/92 H01M4/94
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) H01M		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 759 712 A (HOCKADAY ET AL) 2 June 1998 (1998-06-02) the whole document -----	1-14
A	US 2002/048703 A1 (OHLSEN LEROY J ET AL) 25 April 2002 (2002-04-25) paragraphs '0057!', '0058! -----	1-14
A	US 4 329 157 A (DOBO ET AL) 11 May 1982 (1982-05-11) the whole document -----	1-14
A	EP 1 300 188 A (TOYOTA JIDOSHA KABUSHIKI KAISHA) 9 April 2003 (2003-04-09) the whole document ----- -/--	1-14
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 17 February 2006		Date of mailing of the international search report 28/02/2006
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Reich, C

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/JP2004/019292

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/086994 A (NEAH POWER SYSTEMS, INC; OHLSEN, LEROY, J; COOKE, AARON, M; MALLARI, J) 31 October 2002 (2002-10-31) page 12, lines 8-30 -----	1-14
A	US 5 094 927 A (BAUCKE ET AL) 10 March 1992 (1992-03-10) the whole document -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

ational Application No

/JP2004/019292

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5759712	A	02-06-1998	AU 6048698 A BR 9806274 A CA 2277133 A1 EP 1025601 A1 IL 130792 A JP 2001508919 T WO 9831062 A1	03-08-1998 29-02-2000 16-07-1998 09-08-2000 01-12-2002 03-07-2001 16-07-1998
US 2002048703	A1	25-04-2002	US 6641948 B1 US 2003044674 A1 US 2002041991 A1 US 2002028372 A1	04-11-2003 06-03-2003 11-04-2002 07-03-2002
US 4329157	A	11-05-1982	NONE	
EP 1300188	A	09-04-2003	JP 2003112020 A US 2003061937 A1	15-04-2003 03-04-2003
WO 02086994	A	31-10-2002	CA 2444688 A1 EP 1390996 A1 JP 2004527086 T	31-10-2002 25-02-2004 02-09-2004
US 5094927	A	10-03-1992	DE 3929730 A1 EP 0417464 A1	21-03-1991 20-03-1991